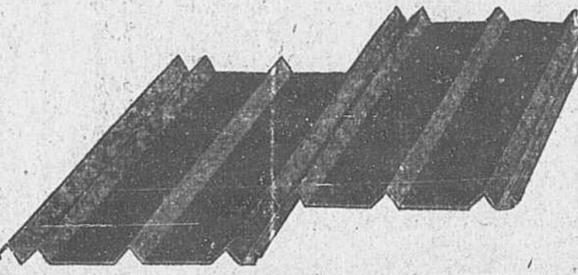


# IMPROVED... "JUSTRIGHT" ROOFING

## "THAT SIMPLE ROOF THAT DON'T LEAK."

We have a large stock on hand, with another car load coming in, with 5-V and 2-V Lock. Also galvanized and corrugated roofing of all kinds. A metal (galvanized) covered roof or siding gives the utmost resistance to destructive elements—rain, snow, frost, sulphurous cinders from locomotives, or anything that ordinarily attacks or destroys a roof.



—WE INVITE—

your attention to our new method of money-saving for the economical Housewife. We will carry a complete stock of GROCERIES at all times that we sell by the package or case, at wholesale prices. Practice economy by buying your Groceries from us.

## ANDERSON HARDWARE CO.

E. Whitner St. :: :: Anderson, S. C.

### MATHEMATICAL FREAKS

By Frederick J. Haskin

#### MATHEMATICAL FREAKS

When a baby, three years old and scarcely able to talk, reels off the correct answer to a complex arithmetical question with innocent unconcern and when the opening-mouthed father, who has been painfully working over the problem with pencil and paper, goes over his figures again and finds that his baby is right and he is wrong, this proud father is perfectly justified in believing in the doctrine of inherent genius, or in any one of a number of supernatural things.

Such an uncanny experience would probably leave the father with feelings of uncertainty and forebodings besides pride in his child's mentality. His first thought would likely be of the family physician, and his second, one of uncommon uncomfortable respect for his precocious heir.

Gauss, the famous German mathematician and, probably, the last one in every branch of this science of his day, began his career as an unusual individual at the early age of three and in the manner indicated.

His father was paying off his workmen one day for part time in proportion to their regular daily wages and Baby Gauss was playing nearby on the floor, engaged, perhaps in nothing more weighty than a baby's natural attempt to swallow a table leg and wondering why the thing would not go down. When the elder Gauss had finished casting up the amounts which he was to pay, his three-year-old called out: "But that is not right, father. It makes so much," naming the correct amount. The father went over his figures and found that the child's answer was indeed the correct one.

Gauss, the mathematician, however, can hardly be classed with justice among mathematical freaks. He developed into the greatest mathematician of his day. His wonderful ability for mental calculation was retained throughout his life.

Perhaps, the most remarkable calculator produced among a western people was Dase, a German, Johann Martin Zacharias Dase, was born in north Germany in 1824. He began his school life at two and one-half years of age. Although of low general ability, he was an arithmetical wizard and figures were slaves of his enchantment. At 15 years of age, Dase went upon the stage, giving exhibitions of a mental calculator. Later, he employed his gift in the service of science, and was engaged in the computation of logarithms and factors at the time of his death at the age of 37.

Dase had but slight education. He was dull in everything but calculation even in mathematics. It is said that professors whom he served in computing valuable tables, tried in vain to hammer the simplest theories of mathematics into his head. In the processes of arithmetic, however, his power was practically unlimited.

One stupendous accomplishment of Dase was the multiplication of two numbers of 100 figures each, which feat he performed in eight and three-quarter hours. Few people could remember one number of 100 figures, much less remember two such numbers, make successfully 100 multiplications, and, in conclusion, remember and add the 100 products. It takes one's breath away to think of the 10,000 figures in the grand total.

Many instances are given of almost instantaneous solutions by Dase of vexing arithmetical problems of everyday experience. In him figures had a master, and fraction and integer fell into any of their infinite combinations required with precision, speed and facility of willing slaves. As an all-round calculator, Dase surpassed even modern calculating machines.

His intimate knowledge of the qualities of figures and constant practice in their handling equipped him with many shortcuts for their manipulation. His memory for figures was wonderful. This memory probably explains the facility with which he could give the roots of large numbers. He would give square roots of numbers of 100 figures in 52 minutes. Also Dase had nearly an unusual ability to count by sight as in mental calculation. It is recorded that he could count sheep, people or articles before him in masses thirty at a glance, whereas, most of us count by ones.

Tom Fuller was one of nature's freaks. He was brought from Africa to this county as a slave at the age of 14. An illiterate negro, scarce half a step removed from savagery, sprung from a people whose ability to count ends with their teeth, finger and thumb all higher numbers are "many" or "many-many." Fuller, nevertheless, developed an ability to handle figures usually not above that possessed by the average highly educated man.

In everything but calculation Fuller was heavy, stupid. The mystery of his ability is heightened by the fact that the first record of it occurs when Fuller is 70. By it he earned the name of the Virginia Calculator. He was able among other weird arithmetical performances to reduce years to seconds. Further, he could multiply mentally a nine-figure number by a nine-figure number. To understand the magnitude of this task, one may imagine how many of his acquaintances would care to multiply without help of pencil and paper, 558,977,222 by 688,259,698.

All conditions of freak calculators are included in the world's history of prodigies. Some of them have been all-round geniuses. Some have been men of low intelligence incapable of education whose sluggish minds betrayed the one ability of counting. Others have been men of culture and

many interests, but of no marked genius except in calculation.

Various theories have been advanced to explain away the marvelous in the arithmetical prodigy. Arithmetic, it is pointed out, is the most self-contained of all sciences. One need have little or no education to be master of its operations. Its processes are essentially processes of counting. Once an interest in calculation has been aroused and a good memory for figures has been developed, dexterity in handling tedious arithmetical problems is natural.

Modern psychologists, therefore, are inclined to believe that abnormal ability to handle figures mentally is the necessary outcome of interest in arithmetic, coupled with unusual opportunity to practice. Many of the famous calculators have been children unable on account of sickness or other causes to romp with playmates. One was born without arms or legs.

Study of records of calculating prodigies shows that mental keenness is MATH FREAKS GAL 2 not a requisite. Some of them have been too stupid to grasp the elements of mathematical theory. Their work has been purely counting, shortening by practice and memory.

Such a man was Jedediah Buxton, who developed his remarkable talent for reckoning by keeping a mental free beer record. He was a man of no education and no ideas. His calculations were made slowly and painfully, nevertheless, he could handle immense numbers, and once mentally squared a number of 36 figures in two and one-half minutes.

The latter-day psychologist does not want to see a proof of the doctrine of genius in the arithmetical freak. He wants to feel that these cases admit of natural explanations. Yet, in the case of Dase, the degree of ability is unnatural, even making liberal allowance for the effect of constant practice. Two 39-figure numbers multiplied together stand a record for all other mathematical prodigies. Dase, master magician, handled this two 39-figure numbers in forty minutes. This is how such a task looks on paper. Multiply mentally without aid of writing the numbers, 4785,456,957,859,907,967,864,863,867,987,876,987,876 by 5,687,967,845,997,640,860,988,767,070,095,756,987,876. He could multiply two eight-figure numbers in one minute. In view of his wonderful feats, it would seem that Dase had been born with a genius for handling figures.

### SUPREME COURT IN FRANK CASE

#### Decision to Decide Fate of Accused Man in Phagan Case

Atlanta, Feb. 9.—The supreme court decision that will mean a new trial or the gallows for Leo M. Frank is expected this week, and may come tomorrow afternoon as soon as the court has formally resumed its sitting.

If a new trial is granted, it is taken as a matter of course that a change of venue will be asked on account of alleged local prejudice, and that the next trial will take place in some other Georgia town.

If the new trial is refused nothing will stand between Frank and the gallows but the hope of executive clemency on the one hand and the possibility of an appeal to the United States supreme court on the other.

There has been a great deal of talk about the grounds and possibilities of an appeal to the U. S. supreme court, and many Atlantians think the case will surely be taken to that tribunal in the event that the State is against Frank.

### OLDEST BANKER PASSES OVER

(By Associated Press.) Terra Haute, Ind., Feb. 9.—Preston Hussey, aged 83 years, dean of local bankers and said to be the oldest banker in the United States, died at his home here this afternoon.

### Quality! Quality!

You get the Quality when you get Gowans. Webster defines Quality as follows: "Distinctive or peculiar character or kind; distinctive trait, power or capacity or virtue; distinction or individuality." kinds of inflammation, and all that describes Gowans. King of Externals. For all kinds of colds are caused by inflammation Gowans is what you want. Gowans scatters inflammation. No dangerous fumes to inhale. No dangerous drugs to take inside. You just rub it on the outside. Buy a bottle TODAY. All druggists. GOWAN MEDICAL CO. Concord, N. C.

### AN ANDERSON BILL HAS BECOME A LAW

#### To Permit the People to Vote on Taxing Abutting Property

The house of representatives Monday gave final favorable action to the senate bill by Senator Sullivan, to permit Anderson to assess abutting property to raise money in part payment for municipal improvements. This now becomes a law when the governor signs it.

Two other Anderson bills were tabled and withdrawn. One was to permit Anderson to increase her bonded indebtedness.

Mr. Scott's bill to regulate traction engines passing over county bridges was passed and sent to the senate.

### ARTIC EXPLORER DEAD.

(By Associated Press.) Washington, Feb. 9.—William Bell lived through the hardships and privations of the Greeley Arctic expedition in 1882 to die in bed at his home here today. He was one of the two living survivors of that gallant party.

### Jim Woodward Will Run Again

Atlanta, Feb. 9.—With Orville H. Hall's hat in the ring, Uncle Jim Woodward, a candidate to succeed himself as mayor, and other prospective candidates offering, it appears that the mayoralty campaign this year will be an interesting affair.

### CONVICT CAMPS IN GEORGIA

Atlanta, Feb. 9.—Investigation into convict camp conditions in Atlanta have aroused interest in the general situation all over the state, and the members of the prison commission, always vigilant in their inspection and business tours, are redoubling their care to see that everywhere the law is carried out as intelligently as circumstances will permit.

There are now in Georgia between 175 and 200 convict camps, and about 6,000 convicts, practically all employed on the roads of the state. There are about six hundred convicts at the state farm, including the 200 at the state reformatory.

Among the chief duties of the three members of the state prison commission is the inspection of these camps. Of the three commissioners, R. E. Davison, T. B. Patterson, and E. L. Rainey, one is always on the road, and sometimes two of them, looking after the business of the state.

The state farm is a pretty big institution. There are eighty ploughs to be looked after and the farm raises enough oats, hay, corn, and vegetables and fresh meat to supply all the inmates, and during last two years under the efficient direction and supervision of the prison board, it made a profit of \$47,000, that went directly into the state treasury.

### Green Haired Girls Visions in Atlanta

Atlanta, Feb. 9.—If on your next trip to Atlanta, gentle friend and reader, you beheld on the sunshiny sidewalk of Peachtree street some blonde vision of girlish loveliness with sea-green hair or curise curls, pause before you try to yourself into the hands of a policeman.

Before a week had passed, exclusively gowned women were appearing on the streets and in the fashionable restaurants, with their hair colored as those of the dancers, in perfect harmony with their costumes. An Atlanta hairdresser says that the transformations can be made, provided one has blonde hair to begin with, with pomades and tints that do not permanently injure or change the natural color. Colored artificial hair is also used.

# :: GILT EDGE :: Fertilizer

## THE ANDERSON PHOSPHATE & OIL CO.

Are making a Fish, Blood and Bone goods this year that probably has no equal on the market.

When all the Fertilizer is at the same price, why not get the Best? There is nothing better than this Fish, Blood and Bone goods and we are not at all sure there is any as good.

It will not pay you to take any chances on your Fertilizer, for by the time you find you have practically lost a crop, it is too late to repair the damage.

When you lose a crop you lose a years work and that is a serious matter with all of us.

Our Fish, Blood and Bone is used in our 8-3-3 and higher grades—not in the lower grades. Fish, Blood and Bone costs more than the lower grade sell for.

No better crops were made in Anderson, Abbeville, Greenwood, Newberry, Oconee and Pickens Counties last year than where our goods were used.

## The Piedmont Insurance Agency

Second floor of Brown Building  
North Main Street

Gives prompt and careful attention to all kinds of Insurance, including Fire, Tornado, Health and Accident, Burglary and Liability.

Also, Fidelity, Official, Judicial and Contract Bonds.

Let our solicitor beat the Fire Engine to your property.  
M. M. MATTISON, Pres. J. W. LINLEY, V-Pres.  
C. EUGENE TRIBBLE, Mgr. & Treasurer  
JAMES L. FARMER, Ass't Mgr.

Our Motto is "SERVICE."

Phone 305

## Our Buyer

Wired us this morning that we might expect another Car of those FANCY YOUNG MAJES by Friday morning, 6th inst. They are all TOPPY, SMOOTH, WELL BROKE and you will miss a treat if you fail to see them before you buy. COME and take a LOOK. Terms and Prices always right.

## The Fretwell Company